

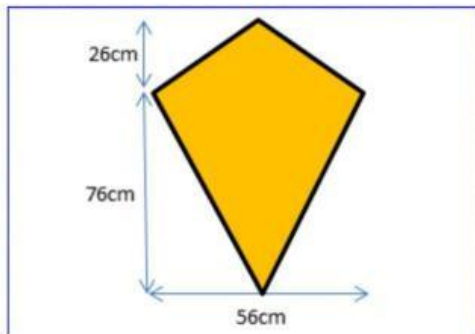
## AREA OF TRIANGLES

A triangle has an area of one square metre. The length of its base is 250cm. Find the height of the triangle giving your answer in millimetres!

[HINT : Convert to one single unit before solving ]

\_\_\_\_\_ mm

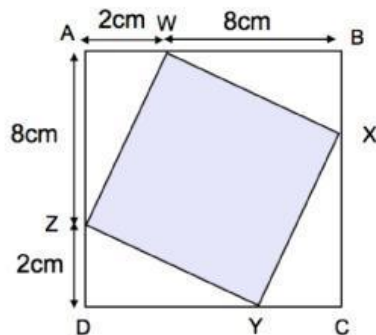
Percy makes a kite from a rectangular piece of material (56cm by 102cm) by cutting a triangle from each corner of the rectangle. The kite's dimensions are shown in the diagram. What is the total area of the four triangles cut off as waste?



The area of a one triangle is  $20\text{cm}^2$  more than the area of a second triangle. Both triangle are of the same height. If the base of the first triangle is 12cm and the base of the second triangle is 10cm find the height of the triangles.

\_\_\_\_\_ cm

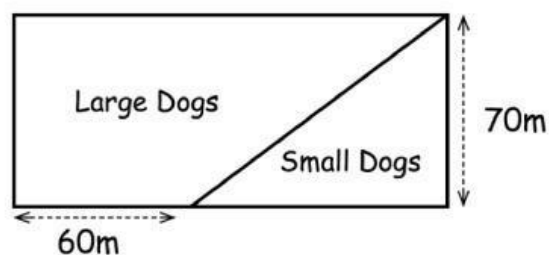
ABCD and WXYZ are squares. Calculate the area of the shaded square WXYZ



\_\_\_\_\_ sq cm

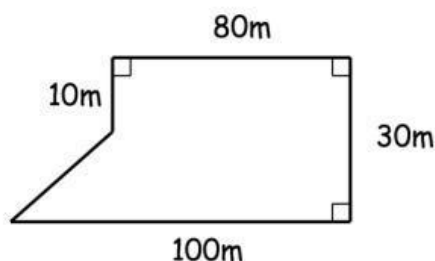
A council are designing a dog park that will be in a rectangular field. The length of the field is twice the width of the field. The field will be divided into two sections, one for large dogs and the other for small dogs.

Work out difference in area between the section for large dogs and the section for small dogs.



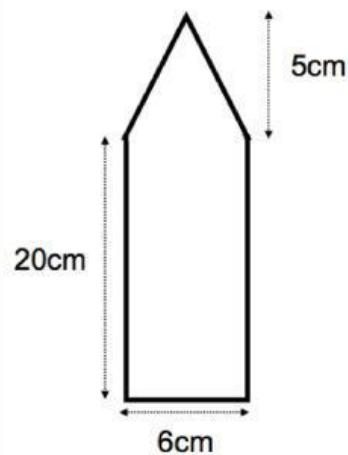
\_\_\_\_\_ sq m

A diagram below shows a farmer's field. The farmer wants to plant a new crop. Each sack of seed covers  $30\text{m}^2$ . The cost of each sack is £6. Work out the cost to buy enough seed to cover the field.



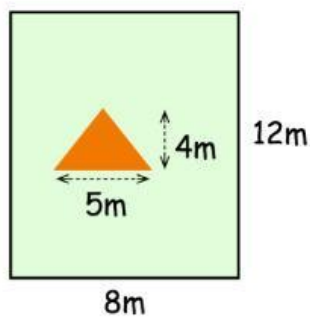
\$ \_\_\_\_\_

A logo consists of a rectangle and an isosceles triangle. Calculate the area of the logo.



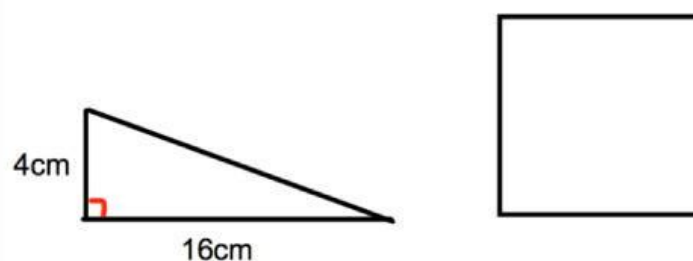
\_\_\_\_\_ sq cm

The diagram below shows a garden. The garden has a triangular vegetable patch and the rest of the garden is grass. Calculate the area of the garden that is grass.



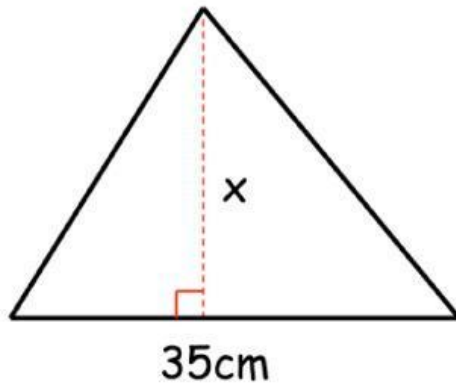
\_\_\_\_\_ sq m

The diagram of a right-angled triangle and a square is as shown. The area of the square is twice the area of the triangle. Calculate the length of each side of the square.



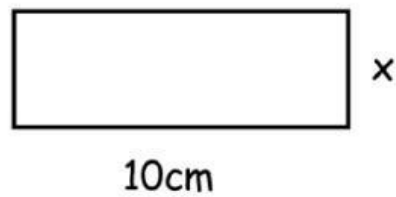
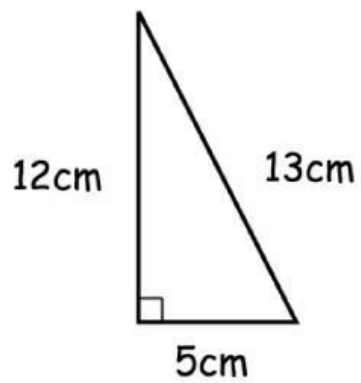
\_\_\_\_\_ cm

The area of the triangle is  $455\text{cm}^2$  Work out the value of  $x$ .



\_\_\_\_\_ cm

The area of the right-angled triangle is equal to the area of the rectangle. Calculate  $x$



\_\_\_\_\_ cm